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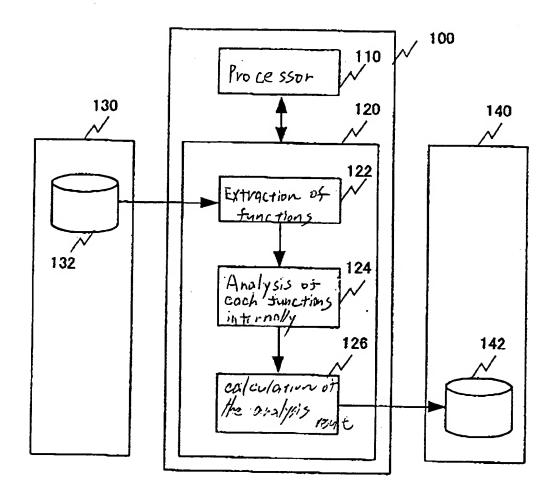
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Fig. |



```
int
                                    (AIN1,AIN2)
                       func_A
                                    AIN1,AIN2;
                       int
                       ſ
                       int
                                    A1. A2:
            211
                       int
                                    AO1;
132
                       if (AIN1 = 10)
                                   if (AIN2 > 20)
                                                           (
                     212
                      } elso {
           213
                       if (AIN1 > 10)
                                               {
                      return (AO1);
          int
                      func_B
                                   (BIN1)
                      int
                                   BIN1:
                      (
                      int
                                   B1, B2;
                      int
                                   BO1;
                      if (BIN1 > 20)
                                               [
                      if (BIN1 > 18)
                      if (BIN1 > 16)
                      }
                      if (BIN1 > 2) [
                                  0 .
                     funo_C
         void
```

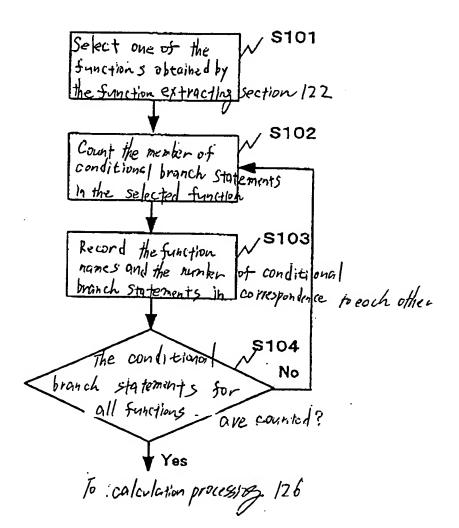


Fig. 4

Function name N	unber of condit	ious branch state ment >
func_A	3	Vivie - 71416/11/1/
func_B	10	
func_C	0	

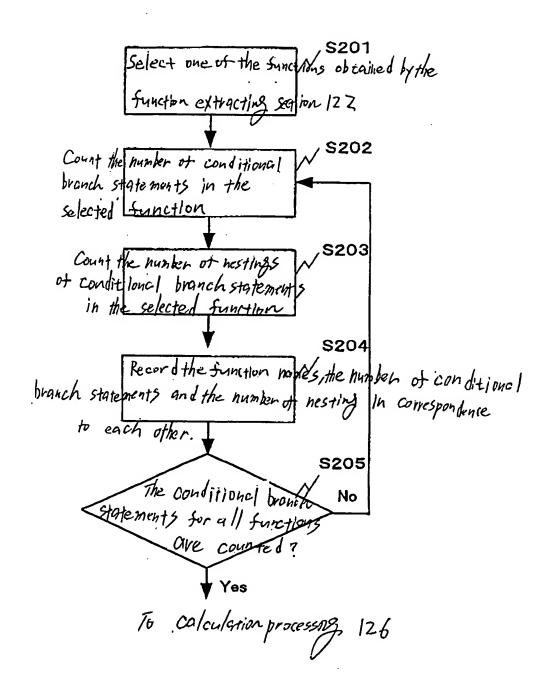


Fig. (

Function	Con		Statement
name	Number	Number of hesting stars	Hunberot corresponding
func_A	2	0	2
Idile_A	3	1	1
func_B	10	0	10
func_C	0	0	0

conditional branch statements

F19.[

```
int
                                    (AIN1,AIN2)
                        func_A
                        int
                                    AIN1,AIN2;
                                    A1, A2;
                        int
            211
                        int
                                    AO1:
132
                        if (AIN1 == 10)
                                    if (AIN2 > 20)
                      212
                       ] else {
           213
                       )
if (AIN1 > 10)
                       retum (AO1);
}
           void
                       func_D
                                    0
                       int
                                    D1, D2, D3;
                       D2 = func_A1 ( D1 );
         711 -
                       AIN1 = func_A2 ( D2 );
         712
                       D3 = func_A ( AIN1, D2 );
```

Fig. 8

Select one of the function extracting section 122

Search to the contributional variables for the conditional branch statemans in the selected function

Record the humber of functions required to generate the canditional variables

Conditional variables

Saoa

Record the humber of functions required to generate the canditional variables

Saoa

Variable for No conditional branch statements

In all function are searched for?

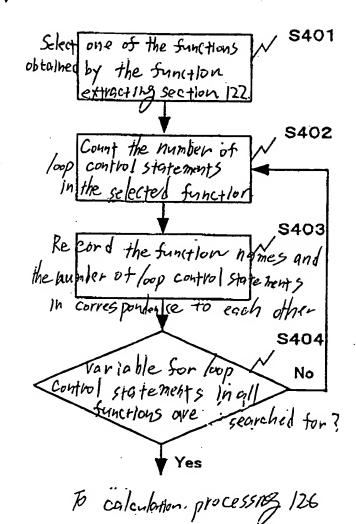
Yes

To calculation processing 126

Fig.9

Function	Conditional	bronch Statemen	ı <i>†</i>	7
hame	Number	1/ 17:	generation	priable
func_A	3	2	1	]
141,05	. •	0	1	
func_D	0	0	0	1

```
(AIN1,AIN2)
                        func_LA
           int
                                     AIN1,AIN2;
                        int
                        {
                                     ij;
                        int
                        int
                                     A1, A2;
              1011
132
                                     A01;
                        int
                        for (i = 0; i < AIN1; ++i) [
                                     for (j = 0; j < A!N2; ++j) [
             1013
                        for (i = 0; i < 10; ++i)
                        return (AO1);
                                     (BIN1)
                        func_LB
            int
                                     BIN1;
                        int
                         int
                                     i;
                                     B1, B2;
                         int
                                     BO1;
                         for (i = 0; i < BIN1; ++i) (
                         for (i = 0; i < BIN1; ++i) (
                         for (i = 0; i < BIN1; ++i) {
                         }
                         for (i = 0; i < BIN1; ++i) [
                         func_LC
                                      0
            void
```



F19.12

Fin	ction hame	Number of loop coins	ol Statements
	func_LA	3	,
	func_LB	10	
	func_LC	0	

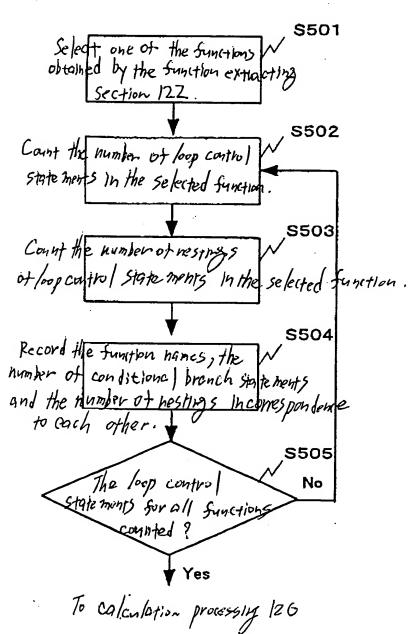
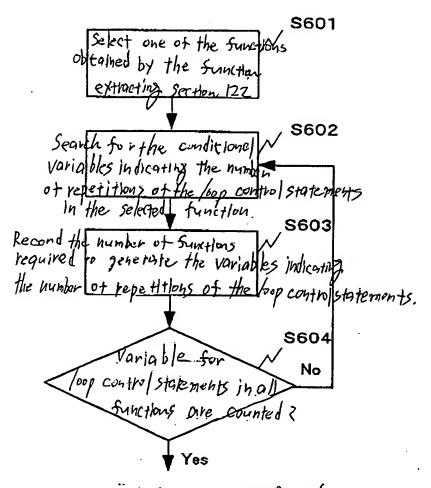


Fig. 14

Function	L	pop control statement	-	
name	Number	Number of Number of		My loop coulto Statemens
funo_LA	3	0	2	The state of the s
		1	1	
func_LB	10	0	10	
func_LC	0	0	О .	

Fig. 15

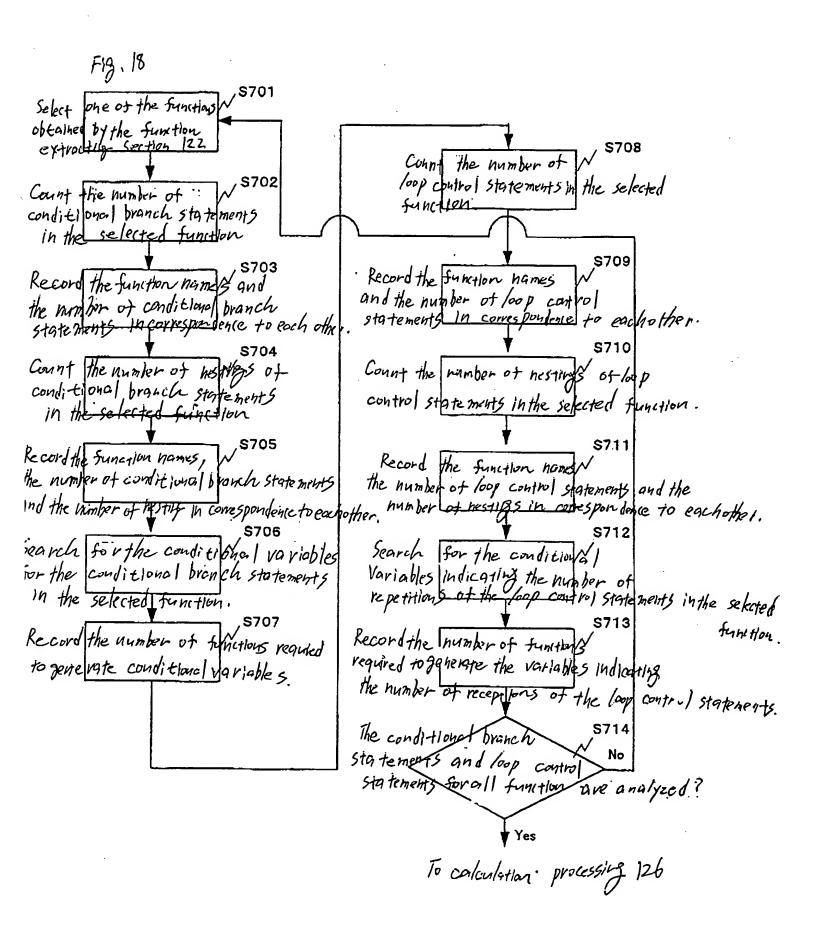
```
int
                        func_LA
                                    (AIN1,AIN2)
                        int
                                    AIN1 AIN2;
                        (
                        int
                                    A1, A2;
            1011
                        int
                                    A01:
132
                       for (i = 0; i < A[N1; ++i) [
                                    for (j = 0; j < AIN2; ++j) (
                      1012.
           1013
                       for (i = 0; i < 10; ++i)
                       return (AO1);
           void
                                   0
                       func_LD
                       int
                                    D1, D2, D3;
                       D2 = func_LA1 ( D1 );
         1511-
                       AIN1 = func_LA2 (D2);
         1512
                       D3 = funcL_A ( AIN1, D2 );
```



To colonlarian process 126

~F19-17

F	ruction hame	Loc	P Control State	ement	1
	hame	Number	Variable general Number of function reading for some	tion for the humber	of repetitions
	func_LA	3	2	1	
L	Idiio_L		0	1	
	func_LD	0	0	0	



Fg-19

deveration of variables for the number. reportitions Statement Number Number of Number of As Nothing stuggs conveyed in the Number of nestings Loop carte [Numberof] Variable Conditions branch. Statement

func\_D

func\_B

func\_A

func C

required for generation

Manber of funtions

func\_LC

func\_LD

func, LB

funo, LA

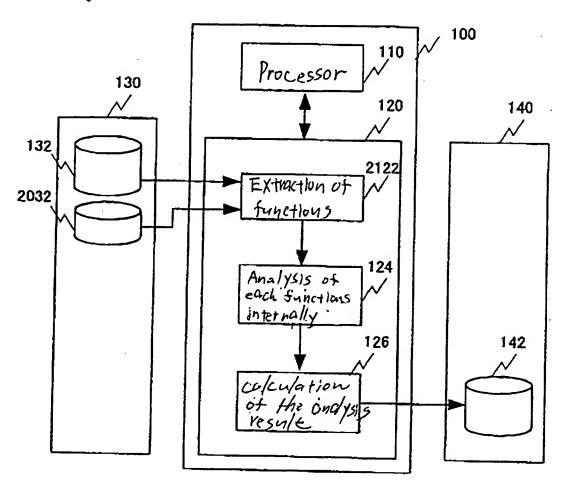
Conditional Small Statements

Number of hestings

五次指列

home

Number Minber of the

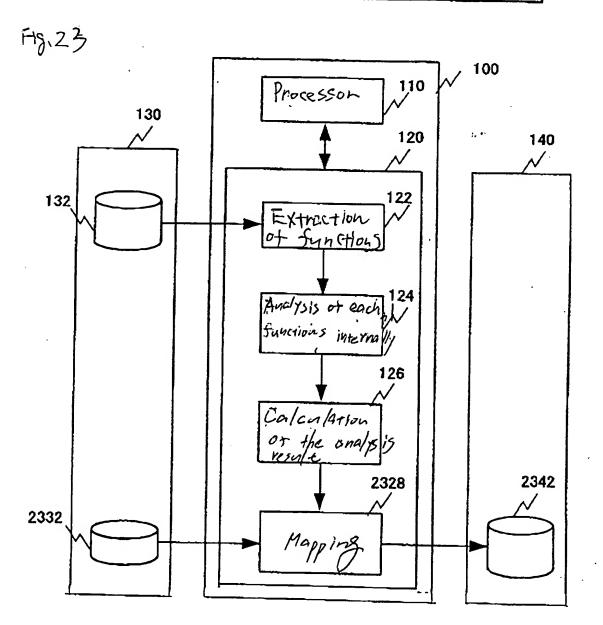


F19.2)

Function name	14.1	Variable gen Variable gen Number of Functions required for governmen	e vetlow	
func_A + func_D	3	2 0	1 1	Variables

Flg.2Z

Function	Lo	op control state	ement	
name	Numler	Generation of va Number of functions Required for server	riables for the under of	supper of repetitions
func_LA	3	2	1	
+ func_LD		0	1	



Flg. 24 Processing unit

Processing visit	Presendle Number of	conditional branch statements
CPU	10. or more	
DSP	3+09	
Pedrated logic	2 or ks.5	

F19.25

func_A DSP	nif
1011074 DSP	
func_B CPU	
func_C Dedicated logic	

. Fig. 26

	Processing inst	Preferable number of 100	P Control Statemen
	CPU	3 10 9	
	DSP	10 or more	
De .	licated ,	2 or less	

. Fig.27

Function name	Appropriate processing un
func_LA	CPU
func_LB	DSP
func_LC	Dedicated logic

F19-28

		<u>}</u>									
mont	Nua Det of rosthas Generation of Wardles	11.	-	200	0	0	2 or ba	20r 655		3 or bis	72 5
ADDYOPISE for Control Statement	Generation for the long	Hunder of Numbery	Sep cailto) required	0	-	2 00 7000	0		or more 2 or more	0	
los Con	+ rostings	Minler of	nesting seascharp control required	8409	0	0	low mote	/or more	`	3 orless	724.7
obropriate	Nun ber o	16 mber ct	mesting sease	0	-	201 2012	0	-	2 or mag	0	
A			2 2 2 2 2 2 3 3 4 5 7		3.239			(0 o V TROVE		3 or less 3 or less	
Statement	generation	Manbor	variables	/ or more	for note	or mote	369	300 1055	1 or less	3 or less	
nal branch	Mariable	Humber of Coinsponding	inditional conditional	0	-	lormone 2 or move	0	J	Or 1855 2 or nove	0	
te conditional branch statement	Maber of nextings variable generation	Number of Number of Humber of	Carditional branch statem	lor more	or more	/ormore	3 to 9	3 or 1855	d lor RSS	3 or 1ess	
Appropriate	Maber	Wanter or	nexilators conditional branch spen	0	~~	Zor mys/	0	-	2 or more	0	
1		Markon		٠	10 cr more			349:		1 201 (85)	
Function Name				<u>a</u>			OSP		12 018 PZ	しこと	

F	19.24	75		т		-1- <u>-</u> ×	<u> </u>	<del>/ &amp;</del>	4	7
Join 1	cf Winds	Number of	10 rahks	0	6	Cot	たるひ	いるかな	Q 100	1
140	05/103 GENERALION CFUOLIDA	Kunber of functions required Sor	3810 1941ar	( % )	201718	0,	-2	20177	(0,7)	
	restims	Number of Munber of Munber of Manber of Personally states food county required for	340 9	9	(	ON MOVE	day jo/	for more	Gorles	
Anormatate	Number of	Manber of Manber of Manber of Manber of many from their sor	04	(1/2)	Lor Hore	(R=1)	(18.21)	2 sr.m.c	(Ka 2)	
		Munger	3409	(/ 1/.	(A=4)	TO C' MOLE	:	(k=6)	3 or less	(K= 6)
"igte conditional hearch state and	Variable asteration	Kinber of:	(Jury)	for more	/or 10/	369	Gestes.	Cortes	3 or ks	
Mirloya h	Variable	respondent Futuriers respondent required But the Same	$\frac{1}{(k=1)}$	1 1 2	201 × 6	(1 5 1)	(K32)	2 or rur ( K=2)	(k21)	
	54117821	Number of Number of Corresponding Interfers Conditional Pepuline B	Clor 10 re	Cot With	Or more	3 09	Gor BS	Corks	Ger By	
Appro P.	Manger of ne	Numberst Mumber	(K-1)	(1=1)	201 3312	(12-1)	(K-2)	2 or max (K+2)	(182.1)	
		Mumber	10 or more	$(K_{-\alpha})$	/h ./.	340		(1/2-1/2)	ξ <u>=</u> 6	
	Function	. nanc		СРИ			DSP		Medicated	12/01

CPU=3+4+2+2=11

DSP=6+4+4+6=20
Redicated 10910. '=1+]+6+2+2=12

F19.30

Function iran	e appropriate process	ing unit
func_A	DSP	
func_B	CPU	
func_C	Dedicated logic	
func_LA	CPU	
func_LB	DSP	
func_LC	Dedicated logic	

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